McF 3M

The function A(w) = 576W - $2W^2$ models the area of pasture enclosed by a rectangular fence, where w is the width in metres.
a) What is the maximum area that can be enclosed?
b) Determine the area that can be enclosed using a width of 20m.

Jun 9-7:37 AM

McF 3M

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a) What is the maximum area that can be enclosed?
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a) Vertex $A(w) = 576w - 2w^2$

$A(w) = -2w(-288 + w)$

0 288

$\frac{0+288}{2} = \frac{288}{2} = 144$

$A(w) = 576w - 2w^2$
$= 576(144) - 2(144)^2$
$= 82944 - 2(20736)$
$= 82944 - 41472$
$= 41472$

(144, 41472)

At a width of 144m the area enclosed will be 41 472m^2.

p256 ch4 review quad functions

Jun 9-7:37 AM

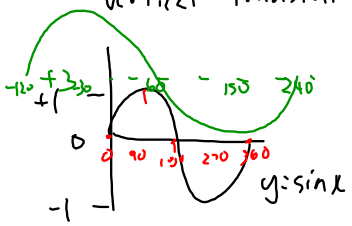
Review Questions Sinusoidal Functions
p341 q 4
p349 q.4
p365 4 f)
p366 q 12
p 375 q 13
Assign p378-379
q4-12
Chapter 6 Self Test p380

Jun 9-8:22 AM

$f(x) = \sin(x+120) + 3$

$f(x) = a\sin(x-c) + d$

horizontal translation 120° left
vertical translation of 3 units



0	3
1	4
0	3
-1	2
0	3

Jun 9-10:11 AM

$R = \{y \in \mathbb{R} \mid 3 \le y \le 5\}$

$f(x) = a\sin(x-c) + d$

$y = \sin x + 4$

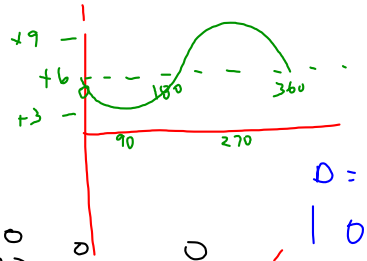
$y = \sin(x-90) + 4$

$y = -\sin x + 4$

$D = \{x \in \mathbb{R}\}$

Jun 9-10:19 AM

13b) $y = -3\sin x + 6$



$D = \{x \in \mathbb{R} \mid 0 \le x \le 360\}$

0	0	0	6
90	1	90	
180	0	180	3
270	-1	270	9
360	0	360	6

$R = \{y \in \mathbb{R} \mid 3 \le y \le 9\}$

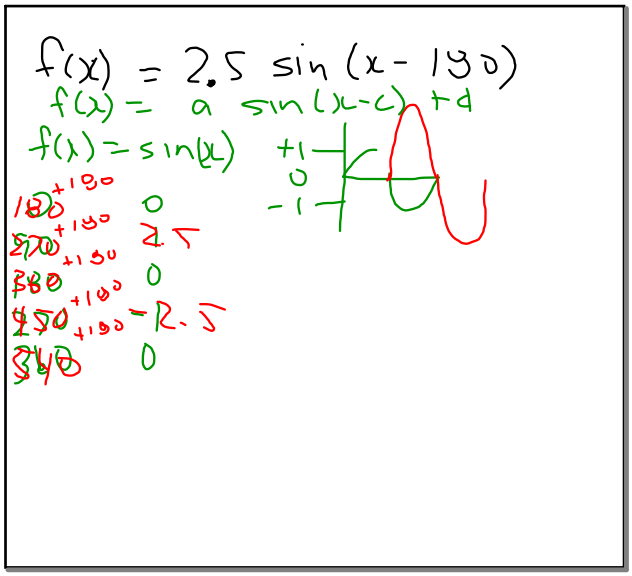
Jun 9-10:22 AM

Glen Cordick... The Facts...

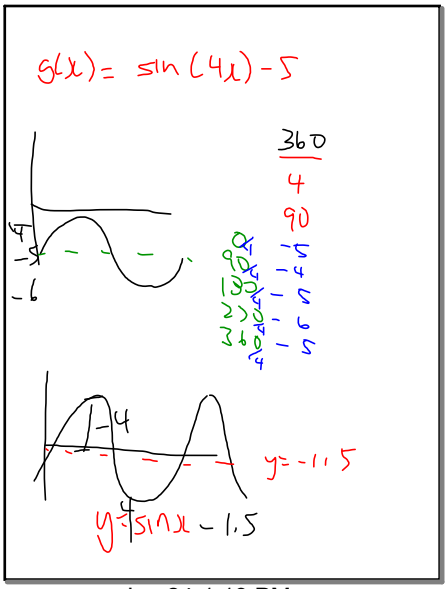
1. Glen Cordick can beat Chuck Norris and Jesus in a fight.
2. When Glen Cordick thinks, he uses 15% of his brain.
3. Glen Cordick does not re calibrate his smart board, his smart board re calibrates to Glen Cordick.
4. Glen Cordick wants to hang out this weekend.

6. Glen Cordick Loves this class.
7. Glen Cordick knows when to use FOIL.
8. Glen Cordick counted to infinity. Twice.

Jun 9-10:25 AM



Jan 24-1:08 PM



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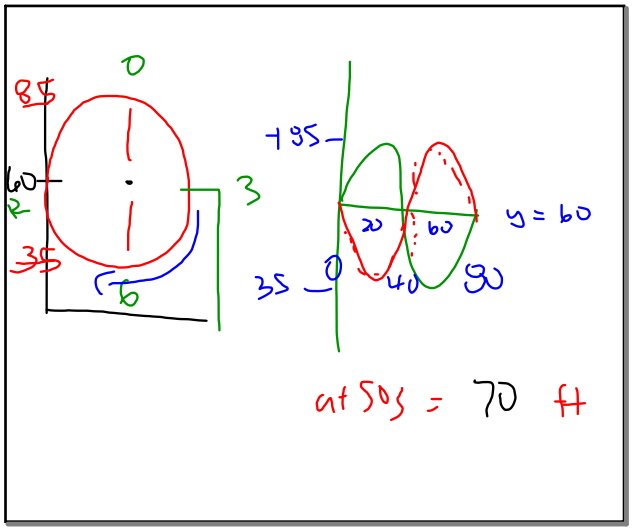

Jan 24-1:25 PM